

TAYLOR M. OKONEK

tokonek@uw.edu \diamond <https://taylorokonek.github.io/>

Department of Biostatistics, University of Washington, Box 357232

EDUCATION

University of Washington, Seattle, WA

September 2018 - Present

Ph.D., Biostatistics

Advisor: Jon Wakefield, Ph.D.

Saint Olaf College, Northfield, MN

September 2014 - May 2018

B.A., Mathematics and Religion

Concentration in Statistics

RESEARCH AND CONSULTING EXPERIENCE

Research Assistant

University of Washington, Department of Biostatistics

Supervisor: Jon Wakefield

June 2019 - Present

University of Washington, Department of Environmental and Occupational Health Sciences

Supervisors: Lianne Sheppard, Joel Kaufman

September 2018 - June 2019

Saint Olaf College Center for Interdisciplinary Research

Statistical Consultant

Supervisors: Louis Epstein, Matthew Wright, Sharon Lane-Getaz

September 2016 - May 2018

Saint Olaf College Collaborative Undergraduate Research and Inquiry Program

Student Summer Researcher

Supervisors: Sharon Lane-Getaz

May 2016 - August 2016

TEACHING EXPERIENCE

Teaching Assistant

Saint Olaf College, Department of Mathematics and Statistics

February 2015 - May 2018

- STAT 212: Statistics for the Sciences
- STAT 322: Statistical Theory
- MATH 244: Real Analysis
- MATH 262: Probability Theory

University of Washington, Department of Biostatistics

- BOST 310: Biostatistics for the Health Sciences
- Course preparation: Maintenance of R package `rigr`

September 2020 - December 2020

June 2021 - September 2021

Undergraduate Student Mentor

University of Washington, Department of Statistics

January 2021 - Present

- Directed Reading Program Mentor

Fred Hutchinson Cancer Research Center

June 2021 - September 2021

- Summer Internship Mentor

INDUSTRY EXPERIENCE

Data Science Intern

WindLogics, St. Paul, MN

May 2017 - August 2017

AWARDS AND HONORS

University of Washington

ARCS Foundation Fellow

Biostatistics, Epidemiologic, and Bioinformatic Training in Environmental Health Training Grant

Saint Olaf College

Phi Beta Kappa Honors Society

Blue Key Honor Society

Pi Mu Epsilon Honor Society

Theta Alpha Kappa Honor Society

Bellows Scholarship

President's Scholarship

SELECTED SERVICES AND LEADERSHIP EXPERIENCE

University of Washington, Department of Biostatistics

Member - Statistics Education Reading Group

September 2019 - Present

Member - Biostatistics Activities and Events Squad

September 2019 - Present

Member - Biostatistics Equity, Diversity, and Inclusion Committee

September 2018 - Present

Saint Olaf College

Member - TRIO McNair Scholars Program

January 2016 - May 2018

PUBLICATIONS

PUBLISHED

1. Eaton, J., . . . , **Okonek, T.M.**, . . . , Shiraishi, R.W. (2021). Naomi: A New Modelling Tool for Estimating HIV Epidemic Indicators at the District Level in Sub-Saharan Africa. *Journal of the International AIDS Society*, 24.
2. Wakefield, J., **Okonek, T.M.**, Pedersen, J. (2020). Small Area Estimation for Disease Prevalence Mapping. *International Statistical Review*, 88, 2.
3. Han, S.M., **Okonek, T.M.**, Yadav, N., Zheng, X. (2020). Distributions of Matching Distances in Topological Data Analysis. *SIAM Undergraduate Research Online*, 13.
4. Epstein, L.K., **Okonek, T.M.**, Perkins, A.E. (2019). Mind the Gap: Inclusive Pedagogies for Diverse Classrooms. *Journal of Music History Pedagogy*, 9, 2.

RESEARCH PRESENTATIONS

1. "Assessing National PM10 Predictions: From 1990 to 2016." BEBTEH Student Research Day, UW, Seattle, WA. April, 2019. { *Poster Session* }
2. "Distributions of Matching Distances in Topological Data Analysis." Underrepresented Students in Topology and Algebra Research Symposium, Portland, OR. April, 2018. { *Poster Session* }
3. "The Music History Game: Assessing Learning through Play." National Conferences on Undergraduate Research, Memphis, TN. April, 2017. { *Poster Session* }

4. “Teacher Professional Learning Communities and Student Achievement.” Saint Olaf College Collaborative Undergraduate Research and Inquiry Program, Northfield, MN. August, 2016. { *Poster Session* }

TECHNICAL SKILLS

Programming Languages and Statistical Packages

R, C++, Python, Mathematica,
Shiny, Tidyverse

Other Applications

L^AT_EX, Linux/Unix, Git